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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/206,627 12/07/98 ALLEN

A 30.1

025214 WM01/0214
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EXAMINER

JACKSON, B

ART UNIT

PAPER NUMBER

2683

DATE MAILED:

02/14/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/206,627

Applicant(s)

Allen Jr.

Examiner

Blane Jackson

Group Art Unit
2683



☒ Responsive to communication(s) filed on Dec 7, 1998

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

- ☒ Claim(s) 1-33 is/are pending in the application.
- Of the above, claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-33 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claims _____ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2, 9-12, 16
- ☐ Interview Summary, PTO-413
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Claim Rejections - 35 U.S.C. § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 16, 18, 19, 22, 23 and 26-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Snyder (U.S. 5,588,038).

As to claims 1, 16, 18 and 26-31, Snyder teaches a remote triggerable location-reporting apparatus (figures 1 and 4, column 6, lines 11-29) comprising;

- a trigger signal, generated by transceiver (figure 2, (202)) and tripping circuit to (208),
- and a GPS processor with homing transmitter (214) coupled to the trigger circuit (208) to initiate and transmit position information in response to the trigger (power) signal (column 6, lines 53-64).

As to claim 19, Snyder as applied in claim 19 above differs from claim 20 in that claim 19 does not teach disconnecting power from the GPS receiver and the cellular telemetry transmitter upon transmission of the location of the object. However, since Snyder teaches that the pager transceiver can be used to send signals that are responsive to sensing various conditions and that request an action by the owner (column 10, line 35 to column 11, line 26), it would have been

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obvious to one of ordinary skill in the art at the time of the invention to utilize the remote control capability of Snyder to signal the triggerable apparatus to disconnect any external device as required to save VDC source battery power.

As to claims 22 and 23, with reference to claim 19, Snyder teaches the wireless transmitter can be utilize a variety of wireless networks including ground or satellite supported cellular telephone or directly over the air (figures 1, 4 and 5, column 10, lines 48-63).

As to claims 32 and 33, with reference to claim 26, Snyder teaches the wireless transmitter can be utilize a variety of wireless networks including ground or satellite supported cellular telephone or directly over the air (figures 1, 4 and 5, column 10, lines 48-63).

Claim Rejections - 35 U.S.C. § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2-9, 12-15 and 17, are rejected under 35 U.S.C. 103(a) as being unpatentable over Snyder (5,588,038).

As to claims 2 and 17, Snyder teaches a remotely triggered power (208) switch and transceiver (202) are powered by a DC source and used to activate selected systems including ignition interrupt, alarm system or homing transmitter (i.e. GPS) (figures 1 and 2). Snyder does

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not teach a second switchable power signal for sub level power control to the transmitter of the GPS unit; however, since Snyder teaches the power switch can be used to switch the above or other miscellaneous devices and the pager transceiver can be used to receive and transmit signals that are responsive to sensing various conditions as requested by the owner (column 10, lines 63-67), it would have been obvious to one skilled in the art at the time of the invention to expand the single feature power control method of Snyder to selectively control any specific or other areas of the system as required for reasons of power conservation.

As to claim 3, Snyder teaches the transceiver (202) provides control of the tripping circuit (208) (figures 2 and 4)(column 6, lines 11-30).

As to claims 4-7, Snyder teaches a power supply in the form of an automobile battery((206) with connection to a back-up source such as a rechargeable battery, alternator or obviously any 12 volt DC source practical to the application (column 6, lines 30-45).

As to claim 8, Snyder teaches the pager transceiver can have the GPS receiver built-in (column 11, lines 1-19).

As to claim 9, Snyder teaches that the system is applicable to many applications on a variety of vehicles and/or remote locations (column 10, lines 13-20).

As to claims 12-15, Snyder teaches the wireless transmitter can be utilize a variety of wireless networks including ground or satellite supported cellular telephone or directly over the air (figures 1, 4 and 5, column 10, lines 48-63).

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5. Claims 10, 11, 21 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Snyder with a view to Ross (U.S. 5,673,305).

As to claims 10, 11 and 24, with reference to claims 1, 8 and 19, Snyder teaches that the triggerable location reporting apparatus is applicable to vehicles or remote locations but does not teach that the system housing is adapted as at least a portion of an article of clothing or configured to be installed in an object to be tracked. Ross teaches apparatus for tracking and reporting the location mobile articles including persons where the device is specially configured to strap to a parolees under "house arrest" (column 6, line 44 to column 7, line 16). It would have been obvious to one of ordinary skill in the art at the time of the invention to recognize the application of Ross in the system of Snyder as another practical application of the triggerable location reporting apparatus.

As to claim 21, with reference to claim 19, Snyder teaches the two way communications are through a variety of wireless methods including satellite (typical gateway) (figures 4 and 5) and the information is provided to the requestor but does not teach the location information is transferred to a service provider. Ross teaches the location information is provided through a communications apparatus (figure 1, (22)) and a central station routes the information to various service providers (34). It would have been obvious to one of ordinary skill in the art at the time of the invention to recognize the further application of the location information as taught by Ross in the system of Snyder.

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Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lemelson et al. (U.S. 6,054,928) teaches prisoner tracking with GPS. Snyder (U.S. 5,490,200) teaches a system form remotely tripping a function such as location identification in a mobile vehicle. Mansell et al. (U.S. 5,223,844) teaches vehicle tracking and security system using GPS information. Tendler (U.S. 5,555,286) teaches a cellular phone with emergency activation of an emergency call with location provided by GPS.

7. Any response to this action should be mailed to :

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

or Faxed to :

(703) 308-6306, (for formal communications intended for entry)

or :

(703) 305-6329 (for informal draft communications, please label "PROPOSED" or "DRAFT".)

Hand-delivered responses should be brought to Crystal Park 2, 2121 Crystal Drive, Arlington, VA.; sixth floor receptionist.

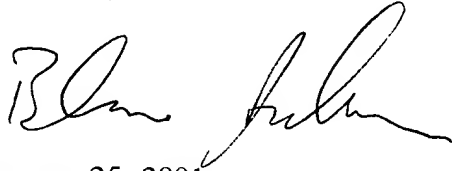
8. Any inquiry concerning this or other ensuing communication should be directed to the examiner, Blane J. Jackson, whose telephone number is (703) 306-5618. The examiner can normally be reached on Monday-Friday 9:00 a.m - 4:00 p.m (EST). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on (703) 305-3518. Any inquiry of a general nature or relating to the status of this application

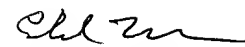
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should be directed to the Technology Center receptionist, whose telephone number is (703)
305-4700.


January 25, 2001


EDWARD F. URBAN
PRIMARY EXAMINER